

AHS 2083 Human Biology: Anatomy Fall 2008

Section 001 SB 2.02.10 MWF 9:00-9:50 a.m. Section 901 BV 3.326 MWF 12:00-12:50 p.m.

Instructor: Anita L. Moss, Ph.D.
Offices and Office Hours: **1604 campus:** SB 3.01.39B; Wed and Fri. 10-10:45 am **or** by appt.
Downtown campus: FS 4.532; Monday 11-11:45 am **or** by appt.
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Course Objectives: To understand the structure of the human body at the level of cells, tissues, organs, and organ systems. We will correlate the morphology of a structure with a basic understanding of its function to allow you to learn anatomy by comprehension rather than by memorization. The more in-depth study of function, that is, physiology, is a separate discipline and is covered in another course.

Prerequisites You must have successfully completed BIO 1404 (formerly BIO 1113 & BIO 1203), and BIO 1122 (formerly BIO 1212).

Required Text *Human Anatomy and Physiology, 7th edition*; Elaine N. Marieb & Katja Hoehn

<u>DATE</u>	<u>TOPIC</u>	<u>Required Reading</u>
(W) 8/27	How to pass this course; Anatomical terminology	1-18
(F) 8/29	Cells: Plasma membrane	65-70
(M) 9/1	<i>NO CLASS: Labor Day Holiday</i>	
(W) 9/3	Cells: Organelles, Extracellular Materials	84-97; Extracellular materials (111)
(F) 9/5	Tissues: Epithelium; Glands	118-43
(M) 9/8	Tissues: Connective tissue: CT proper; cartilage and bone	see above
(W) 9/10	Tissues: Covering and lining membranes; Skin: Epidermis	see above; 152-57
(F) 9/12	Skin: Dermis; Burns; Tissue repair	166-7, 170; 143-4
(M) 9/15	EXAM 1	
(W) 9/17	Bone: Histology, Growth, Remodeling and Repair	176-193
(F) 9/19	The Skeleton: Skull	202-246
(M) 9/22	The Skeleton: Vertebral Column and Bony Thorax	see above
(W) 9/24	The Skeleton: Pectoral Girdle and Upper Limb	see above
(F) 9/26	<i>Dr. Moss' classes cancelled</i>	
(M) 9/29	The Skeleton: Pelvic Girdle and Lower Limb	see above; Table 7.5
(W) 10/1	Joints	252-65; Table 8.2
(F) 10/3	EXAM 2	
(M) 10/6	Muscle tissue: Skeletal muscle; Neuromuscular junction; Motor unit; Muscles: Interactions	Table 9.3 (314-5); 279-90; 296-7 (motor unit); 325
(W) 10/8	Muscles: Naming; Fascicle arrangement; Muscles of respiration	325-7; Tables 10.5-10.6
(F) 10/10	Muscles: Movements of the scapula and arm	Table 10.8-10.11

<u>DATE</u>	<u>TOPIC</u>	<u>Required Reading</u>
(M) 10/13	Muscles: Movements of the forearm and hand; Clinically important muscles	see above
(W) 10/15	Histology of the Nervous System	388-97
(F) 10/17	Central Nervous System: Brain	431-54
(M) 10/20	Spinal Cord	470-75
(W) 10/22	EXAM 3	
(F) 10/24	Peripheral Nervous System: Spinal Nerves	498-9; 508-16; Table 13.6
(M) 10/27	Cranial Nerves	500-508
(W) 10/29	Autonomic Nervous System	Fig 14.2; 533-42
<i>Thursday October 30, 2008 is the last day for sophomores and above (≥ 30 credit hours earned) to drop with a grade of "W"</i>		
(F) 10/31	Endocrine System: Overview; Hypothalamus;	605-6; Fig 16.1
(M) 11/3	Pituitary gland- anterior and posterior lobes	612-20
(W) 11/5	Thyroid, Adrenal cortex, Adrenal medulla	620-24; 626-31
(F) 11/7	Urinary System; Kidneys, nephrons	998-1006, Fig 25.8
(M) 11/10	Ureters, bladder, urethra	1023-26
(W) 11/12	EXAM 4	
(F) 11/14	Reproductive System; Male system	1066-72
(M) 11/17	Reproductive System; Female system; Respiratory System	1082-89; 831-46
(W) 11/19	Respiratory system	see above
(F) 11/21	Digestive System: Structural plan, histology; Anatomy of mouth	883-93
(M) 11/24	Functional anatomy of pharynx, esophagus, stomach	895-902
(W) 11/26	Digestion and absorption of gallinacean protein	see below
(F) 11/28	NO CLASS: Thanksgiving Holiday	
(M) 12/1	Functional anatomy of small, large intestines	908-11; 922-3; Table 23.2 (920)
	Cardiovascular System: Heart covers and chambers	678-89
<i>Wednesday, December 3, 2008, is the last day for freshmen (<30 credit hours earned) to drop with a grade of "W"</i>		
(W) 12/3	Pathway of blood through heart; Heart valves	see above
(F) 12/5	Structure of blood vessels	714-23
(M) 12/8	NO CLASS: STUDENT STUDY DAY	
(T) 12/16	FINAL EXAM Section 001 (1604 Campus) Tuesday 7:30-10:00 a.m.	
(T) 12/16	FINAL EXAM Section 901 (Downtown Campus) Tuesday 1:30-4:00 p.m.	

Policy sheet

Attendance and Class Behavior

I expect you to arrive on time and remain in class for the entire time. It is rude and distracting for you to arrive late or leave during class. **Cell phones must be turned off. If you are in a situation where you must be able to be reached by phone then please do not come to class. Instead, ask someone to share their notes with you. The only reason for leaving class should be if you are sick.**

You will have frequent opportunities to ask questions, but **please, do not talk** while I'm lecturing.

WebCT

This program on the Internet gives you access to **your personal grades, lecture outlines, reading and homework assignments, practice exams, announcements and other useful information**. The URL is <https://webct.utsa.edu/> and logon instructions are given at that website. I update the course material on WebCT throughout the semester so check frequently for new or revised material.

Email

Email me at anita.moss@utsa.edu. or use the email feature in **WebCT**. *I will reply only if you indicate on the Subject line your section:: **HAI604** for section 001 at the 1604 campus; or **HADT** for section 901 at the downtown campus.*

Exams

September 15	EXAM 1	Lectures 1 - 7
October 3	EXAM 2	Lectures 8 - 13
October 22	EXAM 3	Lectures 14 – 20
November 12	EXAM 4	Lectures 21 - 28
December 16 (sections 001 & 901)	FINAL EXAM (cumulative) Lectures 1- 38 with an emphasis on Lectures 29-37	

Bring a **PARSCORE Test Form** for all exams. Questions will be multiple choice, matching, true/false with a few short answer/short essay questions. See the practice exams on WebCT to get an idea of the format. Save all your exams and talk to me **promptly** if you have any questions.

Extra Credit

The only extra credit that I give for this course are the short answer or essay questions on each exam.

Homework

Several homework worksheets and their keys are posted only on WebCT. They indicate the level at which I expect you to understand the material. These will not be graded, but I will take exam questions, including the essay and extra credit questions from them, so it is well worth your time to work the assignments (don't just memorize the key). There will also be a number of handouts posted only on WebCT. Use all of these study materials to ensure your success in class

Weight of Exams

Exams 1-4: Your lowest grade will be dropped; the other 3 exams count **24%** each

Final Exam: Counts **28%** and cannot be dropped.

Grade criteria

A 90-100 B 80-89 C 70-79 D 60-69 F 59 and below

If a student's grade average is borderline, the determination of the letter grade will be at the discretion of the instructor.

Missed Exams

You must make every effort to take the exams in class at the scheduled time. You will be allowed to take a make-up exam for the following excused absences only:

- **Participation in University-sanctioned events**
- **A documented illness or hospitalization of you or your child or spouse**
- **Documented death of an immediate family member**
- **Other absences for which you have notified me at least 1 week in advance.**

The make-up exam will not be the same format as the exam given in class, although it will cover the same material. I strongly urge you to make up any exams for which you have an excused absence. If you have an excused absence, notify me within 2 days (excluding weekends) after the missed exam if you need to take the make-up.

Missed Final

You must make prior arrangements with me for a make-up if you will be absent from the final. Otherwise, if I have not heard from you within 48 hours of the scheduled final, you will receive a zero for the final. You cannot drop your final exam grade.

Scholastic dishonesty

I expect you to be honest. **Scholastic dishonesty includes**, but is not limited to:

- *using notes during an exam*
- *looking at someone's exam or letting someone look at your exam*

Any incidents will be dealt with according to the University policy on scholastic dishonesty.

Dropping the course

Thursday, October 30, 2008 is the last day for sophomores and above (≥ 30 credit hours earned) to drop with a grade of "W". **Wednesday, December 3, 2008** is the last day for freshmen (< 30 credit hours earned) to drop with a grade of "W". **You must take responsibility for dropping the class.** You do not need my signature if you drop by the drop date. **You cannot drop after the drop date simply because of low grades.**

Recommendations

Frequently I write recommendations for students for nursing school, physical therapy school, etc. Come see me early in the semester so I can get acquainted with you.

Study tips

Here are some study techniques that students have shared with me. Find something that works for you. *Come to see me quickly if you are having difficulties.* Don't wait until the problem gets out of hand.

1. *Read ahead of time* for general understanding. Don't get bogged down on details the first time through.
2. *Let the textbook guide you.* Read the chapter summary, introduction and topic headings for short-cuts to the material. Use the "Making Connections" section at the end of some of the chapters to see how systems interrelate. Bring your textbook to class so you can mark it instead of redrawing the figures that I present.
3. *Get to class on time.* I begin each lecture with a brief review of the previous day's lecture.
4. *Take good lecture notes.* Listen for key ideas. Don't copy every word I say. You may record the lectures if you like.
5. *Use flash-cards* to help memorize material. Make up your own word associations or mnemonics (aids to help in remembering).
6. *Work the homework.* *Work in a study group.* If you can explain it to someone else, you probably really understand it.
7. *Enjoy the material.* Tie it in with other courses or with material in which you are particularly interested.